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**SECRET NOFORN**IB 362/63  
12 December 1963  
Copy 1

MEMORANDUM FOR: Chief, Manufacturing and Services Division, ORR

ATTENTION :  MS/CST

25X1

THROUGH : Chief, Requirements Branch, Reconnaissance Group, CGS

FROM : Chief, CIA/PID (NPIC)

SUBJECT : Sungho Ri and Ch'onnae Ri Cement Plants, North Korea

REFERENCE : (1) ORR Requirement No. RR/34/63  
(2) CIA/PID Project No. C 221/63

1. This memorandum is in answer to the above referenced requirement which requests photo enlargements and information concerning the level of activity of the cement plants known to exist in Sungho Ri and Ch'onnae Ri, North Korea.

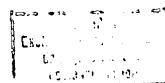
2. The cement plant at Sungho Ri is illustrated on two enclosed enlargements (CIA/PID/IB-P-573 and P-574/63). This plant had two large stacks and many smaller ones which were emitting smoke or dust at the time of photography. Three smoking steam locomotives and many railroad cars were present in the freight yard adjacent to the plant. Therefore, in  this plant was in operation. Due to the poor quality of the coverage (obliquity and smoke cover) a detailed description of the plant is not possible. However, two rotary kilns appear to be using the southern of the two large smoke stacks.

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3. The cement plant at Ch'onnae Ri is shown on an enclosed graphic (CIA/PID/IB-P-575/63). In addition to the limestone processing section, the rotary kilns and the clinker warehouse which are normal components of a cement plant, this facility also contains probable lime kilns and a probable power plant. Both the probable lime kilns and the cement kilns receive their crushed limestone from the limestone preparation section. The probable power plant appears to be using the heat normally wasted at the stack end of the kilns. The cement portion of this plant could have as many as three rotary kilns, but since the kilns are covered an accurate count can not be given. At the time of photography three of the four stacks associated with this plant were emitting smoke. Therefore, the plant was at least partially in operation.

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4. The analysis on this project was performed by  25X1  
who may be contacted on extension 2546, should you have any further questions  
concerning this project. This is considered a complete answer to the above  
referenced requirement.

ENCLOSURES:

3 Annotated Enlargements  
(CIA/PID/IB-P-573/63 to P-575/63)



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ROTARY KILNS

SUNGHO RI CEMENT PLANT  
38° 59'N - 125° 59'E  
11 nm E of P'yongyang, N.K.

25X1  
CIA/PID/IB-  
P-573/63

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SUNGHO RI CEMENT PLANT  
38° 59' N - 125° 59' E  
11 nm E of P'yongyang, N.K.

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CIA/PID/IB-  
P-574/63

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Case 16: CIA-RDP78T04743A0001-0

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CLINKER WAREHOUSE

ROTARY KILNS

PROBABLE POWER PLANT

TO MAIN  
QUARRY

PROBABLE LIME KILNS

LIMESTONE PREPARATION  
SECTION

CH'ONNAE-RI CEMENT PLANT  
39° 22'N - 127° 13'E

CIA/PID/IB-  
P-575/63

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